

a core section over the buffer layer, the core section being made of organic polymer; and

B 1 a clad section covering an upper surface of the core section and made of inorganic dielectric having a lower refractive index than that of the core section, the clad section being formed by sputtering, CVD or vapor deposition.

Please add the following new claims:

--47. An organic waveguide comprising:

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a substrate;

a buffer layer over the substrate;

a core section over the buffer layer, the core section being made of organic polymer; and

B 2 a clad section covering an upper surface of the core section and made of inorganic dielectric having a lower refractive index than that of the core section.--

--48. The organic waveguide as set forth in claim 47, wherein the substrate comprises silicon.--

--49. The organic waveguide as set forth in claim 47, wherein the buffer layer comprises silicon oxide.--

--50. The organic waveguide as set forth in claim 1,
wherein the substrate comprises silicon.--

--51. The organic waveguide as set forth in claim 1,
wherein the buffer layer comprises silicon oxide.--

Line C3

--52. An optical part, which comprises:
an organic waveguide; and
an optical element selected from the group consisting of a
photo-emitting element, a photo-receptive element and a lens,
wherein the organic waveguide and the optical element are formed
on a single substrate,
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and the organic waveguide comprises:
a buffer layer over the substrate;
a core section over the buffer layer, the core section
being made of organic polymer; and
a clad section covering an upper surface of the core
section and made of an inorganic dielectric having a lower
refractive index than that of the core section.--

--53. The optical part as set forth in claim 52, wherein
the inorganic dielectric of the clad section is formed by a
sputtering method, a CVD method or a vapor deposition method.--

--54. The optical part as set forth in claim 52, wherein

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out a portion of the clad section comprises a masking clad section
which serves as a mask when processing the core section.--

Attached hereto is a marked up version showing the changes
made to the application by this Amendment.